Omnibus Survey: August 2002 Month Specific Information

This report presents the results of the August 2002 Household Survey. Each monthly survey will contain a set of core questions that are based on critical information needs within DOT. In addition, supplemental questions will be included each month that correspond to one of DOT's five strategic goals: safety, mobility, economic growth, human and natural environment, and security. Finally, specific questions posed by the various DOT modes will be included in each survey and will vary from month to month.

The August 2002 survey collected data from August 03, 2002 through August 12, 2002. Data were collected from households in the U.S. using a Random-Digit-Dialed telephone methodology. The final completed sample size is 1,106 cases, and the total number of variables in the public-use dataset is 174. The data were collected by M. Davis and Company (MDAC), under contract with the BTS.

Sample Telephone Number Selection

There were 8,200 telephone numbers for the August 2002 survey. A total of 5,139 of these numbers were identified as working residential numbers and were divided into 102 replicates. Each of the 66 fielding replicates released initially contained approximately 50 households. No additional replicates were released during Fielding. Eight (8) unused replicates from August's sample were used to conduct a pretest. Each pretest replicate had approximately 50 households. Twenty-eight (28) of the 102 August replicates were not utilized in the actual interviewing, resulting in 3,339 numbers being released for use by the telephone interviewers. For this survey, the total number of telephone numbers in the sampling frame, N, is 261,905,600. The total number of telephone numbers in the sample (numbers dialed) is 3,339.

Specific Weight Adjustment for Households with Multiple Telephone Numbers

Some households have multiple telephone lines for voice communication.

The table below provides summary statistics for the number of telephone lines in the monthly sampled households.

Table 1: Number of Telephone Lines per Household

	Value
Mean	1.160
Standard deviation	0.455
Minimum	1
25th percentile	1
Median	1
75th percentile	1
Maximum	4

Specific Weight Adjustment for Number of Eligible Household Members

The probability of selecting an individual respondent depends upon the number of eligible respondents in the household.

The table below provides summary statistics for the number of eligible members in the monthly sampled households.

Table 2: Number of Eligible Household Members

	Value
Mean	2.013
Standard deviation	0.933
Minimum	1
25th percentile	1
Median	2
75th percentile	2
Maximum	11

Post-Stratification Weight Adjustments

Adjusting weighted survey counts so that they agree with population counts provided by the Census Bureau can compensate for different response rates by demographic subgroups, increase the precision of survey estimates, and reduce the bias present in the estimates resulting from the inclusion of only telephone households.

The cells, used to construct post-stratification adjustments for this month, together with the number of sample observations and the national population estimates from the Census Bureau are shown in the table below.

Table 3: Post-Stratification Cells

CELL	DESCRIPTION	SAMPLE SIZE	POPULATION
1	Male - Hispanic (Any Race)	41	10,167,034
2	Male - Non-Hispanic Black	42	9,883,467
3	Male - Age 18 – 24 - Non-Hispanic White	31	8,635,241
4	Male - Age 25 – 34 - Non-Hispanic White	52	11,985,017
5	Male - Age 35 – 44 - Non-Hispanic White	91	15,833,339
6	Male - Age 45 – 54 - Non-Hispanic White	94	14,165,493
7	Male - Age 55 – 64 - Non-Hispanic White	52	9,215,914
8	Male - Age 65 or older - Non-Hispanic White	56	11,755,768
9	Male - Non-Hispanic Other	30	4,146,032
10	Female - Hispanic (Any Race)	48	10,625,145
11	Female - Age 18 – 44 - Non-Hispanic Black	37	7,307,267
12	Female - Age 45 or older - Non-Hispanic Black	19	5,144,462
13	Female - Age 18 – 24 - Non-Hispanic White	25	8,531,226
14	Female - Age 25 – 34 - Non-Hispanic White	66	12,373,489
15	Female - Age 35 – 44 - Non-Hispanic White	95	16,061,583
16	Female - Age 45 – 54 - Non-Hispanic White	106	14,513,973

17	Female - Age 55 – 64 - Non-Hispanic White	62	9,837,412
18	Female - Age 65 or older - Non-Hispanic White	103	15,762,147
19	Female - Non-Hispanic Other	33	4,762,691
N/A	Missing Demographic Information	23	N/A
TOTAL		**1,106**	**200,706,700**

Data Collection Schedule

The survey was conducted over a ten-day period, from August 03 through August 12. A total of 1,106 interviews were completed during the survey period.

Disposition of Sample Telephone Numbers

The table below presents the distribution of household telephone numbers by disposition categories. The number of household cases in each category was then used in the above formula to calculate an overall response rate of approximately 49.2 percent.

Table 4: Distribution of Household Cases by Disposition

Disposition Category	Number of Households
Telephone Numbers Available	**4,739**
Telephone Numbers Released	**3,339**
Telephone Numbers Not Dialed	**0**
Telephone Numbers Dialed	**3,339**
Out-of-Scope Numbers (Ineligible)	**889**
BG - Business	189
CF - Computer/Fax	304
DS - Disconnected number	358
NC - Number change	20
NQ - No one 18 years old or older in household	8
UNB - Unavailable before and during study period	10
Scope Undetermined	**618**
NA - No answer	323
BZ - Busy	0
AM - Answering machine	50
LM - Left message	32
CCC - Cannot complete call	1
PM - Privacy manager	13
NQL - Eligibility undetermined because of language problems or deafness	43
RFI - Refused to speak with interviewer (screening incomplete)	26
HRI - Hard refusal	121
OD - Maximum call attempts reached	0
CBU - Callback Undetermined	8
CSU - Callback Spanish Undetermined	1
In-Scope Numbers	**1,832**
Complete	1,106
Partial Complete	22
CB - Callback	147
CBS - Callback Spanish	0
NAQ - No Answer Qualified	281
BZQ - Busy Qualified	0
AMQ - Answering Machine Qualified	142

LMQ - Left Message Qualified	17
CCQ - Cannot Complete Call Qualified	0
PMQ - Privacy Manager Qualified	3
DL - Deaf/Language	36
RFQ - Respondent refusal	5
UN - Unavailable	60
DR - Respondent deceased prior to completion of interview	0
AC - The area code is changed but not the number	0
HRQ - Hard refusal	13
CASRO Response Rate	**49.20%**